



3. An apparatus according to Claim 2, wherein  
said transfer means includes an electroconductive  
member for supporting the transfer material carrying  
member on the side opposite from a side for carrying  
5 the transfer material, and the voltage is applied to  
the electroconductive member.

4. An apparatus according to Claim 2 or 3,  
wherein the voltage applied to said transfer means  
10  $V_{tr}$ , when the toner image is transferred onto the  
transfer material carried onto the transfer material  
carrying member, and the voltage applied to said  
transfer means  $V_{pat}$  when the toner image for the  
density detection is transferred onto the transfer  
15 material carrying member, satisfy  $(1/5) \times V_{tr} \leq$   
 $V_{pat} \leq (4/5) \times V_{tr}$ .

5. An apparatus according to Claim 1, further  
comprising ambient condition detecting means for  
20 detecting an ambience condition, wherein the transfer  
intensity is controlled on the basis of of an output  
of said detector.

6. An apparatus according to Claim 5, wherein  
25 the transfer intensity is smaller when the toner image  
for the density detection is transferred onto said  
transfer material carrying member than when the toner

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10. An apparatus according to Claim 1,  
wherein a plurality of said toner images are

sequent  
carryin  
11.

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image  
image on said :

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ambient condition de  
detecting ambience condition

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temperature of ambience.

13. An apparatus according to Claim 11 or 12,  
wherein said ambient condition detecting means  
5 includes humidity detecting means for measuring a  
humidity of ambience.

14. An apparatus according to Claim 11,  
further comprising transfer means supplied with a  
10 voltage to transfer the toner image, wherein the  
transfer intensity is a voltage supplied to said  
transfer means.

15. An apparatus according to 13, wherein  
15 said transfer means includes an electroconductive  
member for supporting the transfer material carrying  
member on the side opposite from a side for carrying  
the transfer material, and the voltage is applied to  
the electroconductive member.

20  
16. An apparatus according to Claim 11,  
wherein first and second density detection toner  
images of different densities are formed on said image  
bearing member, and the transfer intensity is  
25 different between when the first is transferred from  
said image bearing member onto said transfer material  
carrying member and when the second density detection

toner image is transferred from said image bearing member onto said transfer material carrying member.

17. An apparatus according to Claim 15,  
5 wherein said electroconductive member includes a base  
member and an elastic layer between the base member  
and said transfer material carrying member.

18. An apparatus according to Claim 15,  
10 wherein an image forming condition of said image  
forming means is controlled on the basis of an output  
of said density detecting means.

19. An apparatus according to Claim Claim 11,  
15 wherein a plurality of ~~the~~ toner images are  
sequentially overlaid on said transfer material  
carrying means.

20. An image forming apparatus comprising :  
20 an image bearing member for carrying a toner  
image;  
image forming means for forming the toner  
image on said image bearing member;  
a transfer material carrying member, for  
25 carrying a transfer material, wherein the toner image  
is transferred onto said transfer material carrying  
member, or onto a transfer material carried on said



in an image forming condition of said means is controlled on the basis of said density detecting means.

An apparatus according to Claim 1, wherein said electroconductive member is provided with an elastic layer between the member and the transfer material carrying means.

An apparatus according to Claim 1, wherein said image forming means includes a first exposure means for exposure said image bearing member with a first image thereon, and said first exposure means sequentially forms toner images on said image bearing member in accordance with the exposure amount of said exposure means.

An apparatus according to Claim 1, wherein the exposure amount of said exposure means is controlled on the basis of an output of said density detecting means.

An apparatus according to Claim 1, wherein the density of the toner images are sequentially detected on said transfer material carrying means.

25. An apparatus according to Claim 20,  
wherein said image forming means includes exposure  
means for exposure said image bearing member to form a  
latent image thereon, and said first and second  
density detection toner images are formed while  
changing exposure amount of said exposure means.

26. An apparatus according to Claim 25,  
wherein the exposure amount of said exposure means is  
controlled on the basis of an output of said density  
detecting means.

27. An apparatus according to Claim 20, wherein a plurality of the toner images are sequentially overlaid on said transfer material carrying member.

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